

February 17, 2005

F/PIC5:RYI:FLF
4Q04-20.SGP

Dear Visitors to our Pacific Islands Fisheries Science Center Web Site:

This is our preliminary 2004 fourth quarter report for the Hawaii-based longline fishery. The results are derived from the logbook data and are based on **non-confidential** summaries which provide fleet-wide analyses of effort, catch, and catch-per-unit-effort (CPUE).

A summary of logbook data for the fourth quarter 2004 is shown in Tables 1-9. Interactions with protected species in the fourth quarter of 2004 are summarized in Table 10.

The figures present quarterly data summaries in line charts. Fishing effort is presented in Figures 1-3 while billfish, tuna, blue shark, and miscellaneous pelagic species catch and targeted CPUE values are shown in Figures 4-23.

This report also includes preliminary 2004 annual logbook summaries for effort, catch, CPUE, (Tables 11-22) and protected species interactions (Table 23). Finally, this report presents effort and catch data on an annual basis from 1991 to 2004 (Figs. A1-A7).

I hope you find our longline logbook report web site interesting, and I appreciate your visit.

Sincerely,

Samuel G. Pooley
Science Center Director
Pacific Islands Fisheries
Science Center

Enclosures

Pacific Islands Fisheries Science Center
Fishery Monitoring and Economics Program
Preliminary Longline Logbook Summary Report
October-December 2004

February 17, 2005

All Federal longline logbook data for trips completed in the fourth quarter by Hawaii-based longline vessel operators have been received and processed and are summarized in this report. Although almost all the data from trips which began late in the fourth quarter of 2004 and continued fishing into the first quarter of 2005 are also included, this report should still be considered preliminary.

The Hawaii-based longline fishery has operated under new rules since April 2, 2004. These new rules eliminated the southern area closure and reopened the swordfish-directed component of the fishery subject to restrictions on effort, hook, and bait types. There is a separate limit on sea turtle interactions for the swordfish fishery. Other mitigation measures, such as dehooking devices, are also required for both the tuna and swordfish components of the Hawaii-based longline fishery.

Preliminary longline logbook summaries show that 115 vessels were active in the fourth quarter of 2004. This represents 23 more vessels when compared to the same period of last year (Figs. 1-2). The primary reason for this increase was due to the closure of the California-based longline fishery. Interactions between swordfish-target longline gear and sea turtles in California caused almost all of these vessels to migrate to Hawaii. Nearly all of these vessels participated in the Hawaii longline fishery prior to moving to California to fish for swordfish.

A total of 455 trips were made in the fourth quarter of 2004, 59 more trips than the previous year. Almost all of the longline effort was tuna-targeted although swordfish-target effort increased slightly in the fourth quarter of 2004 as a result of the new rules. There were 445 tuna-targeted and 10 swordfish-targeted trips (see FMEP web site). The total number of hooks set in this quarter was a record 9.2 million, up from 8.4 million hooks set in the fourth quarter of last year (Fig. 3). Most hooks (63%) were set in the main Hawaiian Islands (MHI) Exclusive Economic Zone (EEZ) along with outside the U.S. EEZ (26%) and followed by the Northwestern Hawaiian Islands (NWHI) EEZ (10%), and U.S. possessions (2%).

Bigeye tuna catch reached a record 57,014 fish in the fourth quarter of 2004 (Fig. 4), with 61% caught in the MHI EEZ. Bigeye tuna CPUE on tuna-targeted trips was 6.3 fish per 1,000 hooks (Fig. 5). Albacore catch (4,082 fish) and CPUE (0.4) increased by more than fivefold from the record lows observed in same period of last year (Figs. 6-7). Yellowfin tuna catch (9,059 fish) and CPUE (1.0) were almost twice those in the fourth quarter of last year (Figs. 8-9).

Swordfish catch was 2,404 in the fourth quarter of 2004, the highest level since 1999 (Fig. 10). Tuna-targeted swordfish CPUE in the fourth quarter was only 0.1 (Fig. 11), but CPUE for swordfish-targeted trips was 13.3. Striped marlin catch (4,161 fish) and CPUE (0.5) were lower last year (Figs. 12-13). Blue marlin catch and CPUE were 1,814 and 0.1, respectively (Figs. 14-15).

A total of 27,711 sharks were caught in the fourth quarter of 2004, of which only 3% (797) were kept. Blue shark comprised 90% of the total (24,875 fish) (Fig. 16). Blue shark CPUE on tuna-targeted trips was 2.6 (Fig. 17).

Table 1.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; All areas)

Trip information			

Number of vessels		115	
Number of trips		455	
Number of sets		4,728	
Number of hooks set		9,187,480	
Number of light sticks used		53,244	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1,054	1,070	0.12
Spearfish	3,263	3,345	0.36
Striped Marlin	4,094	4,161	0.45
Swordfish	1,964	2,404	0.26
Other	154	158	0.02
Total	10,529	11,138	1.21
Sharks			
Blue	296	24,875	2.71
Mako	283	787	0.09
Thresher	160	1,197	0.13
Other	58	852	0.09
Total	797	27,711	3.02
Tuna			
Albacore	3,926	4,082	0.44
Bigeye	55,818	57,014	6.21
Bluefin	3	3	0.00
Skipjack	10,272	11,159	1.21
Yellowfin	8,713	9,224	1.00
Other	35	59	0.01
Total	78,767	81,541	8.88
Other PMUS			
Mahimahi	24,922	25,325	2.76
Moonfish	2,603	2,639	0.29
Oilfish	4,703	4,782	0.52
Pomfret	8,884	8,977	0.98
Wahoo	2,830	2,860	0.31
Total	43,942	44,583	4.85
Miscellaneous			

Non-PMUS	151	235	0.03

Date and time of summary:

02/09/05 (14:02:46)

Table 2.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; US EEZs only)

Trip information			

Number of vessels		112	
Number of trips		403	
Number of sets		3,515	
Number of hooks set		6,836,058	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	660	671	0.10
Spearfish	2,272	2,340	0.34
Striped Marlin	3,004	3,060	0.45
Swordfish	442	696	0.10
Other	130	133	0.02
Total	6,508	6,900	1.01
Sharks			
Blue	234	17,336	2.54
Mako	217	403	0.06
Thresher	111	928	0.14
Other	44	627	0.09
Total	606	19,294	2.82
Tuna			
Albacore	2,527	2,544	0.37
Bigeye	41,123	42,025	6.15
Bluefin	2	2	0.00
Skipjack	8,119	8,720	1.28
Yellowfin	6,055	6,452	0.94
Other	15	19	0.00
Total	57,841	59,762	8.74
Other PMUS			
Mahimahi	18,781	19,116	2.80
Moonfish	1,787	1,801	0.26
Oilfish	3,416	3,465	0.51
Pomfret	6,025	6,087	0.89
Wahoo	1,617	1,635	0.24
Total	31,626	32,104	4.70
Miscellaneous			

Non-PMUS	134	191	0.03

Date and time of summary:

02/09/05 (14:02:46)

Table 3.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Main Hawaiian islands)

Trip information			

Number of vessels	112		
Number of trips	376		
Number of sets	2,990		
Number of hooks set	5,770,965		
Number of light sticks used	0		

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	464	474	0.08
Spearfish	1,863	1,912	0.33
Striped Marlin	2,480	2,518	0.44
Swordfish	402	626	0.11
Other	110	113	0.02
Total	5,319	5,643	0.98
Sharks			
Blue	173	13,241	2.29
Mako	197	360	0.06
Thresher	93	678	0.12
Other	11	272	0.05
Total	474	14,551	2.52
Tuna			
Albacore	2,005	2,020	0.35
Bigeye	34,113	34,846	6.04
Bluefin	2	2	0.00
Skipjack	6,665	7,138	1.24
Yellowfin	4,866	5,215	0.90
Other	14	18	0.00
Total	47,665	49,239	8.53
Other PMUS			
Mahimahi	16,240	16,500	2.86
Moonfish	1,431	1,442	0.25
Oilfish	2,858	2,904	0.50
Pomfret	5,291	5,352	0.93
Wahoo	1,252	1,264	0.22
Total	27,072	27,462	4.76
Miscellaneous			

Non-PMUS	122	179	0.03

Date and time of summary:

02/09/05 (14:02:46)

Table 4.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; NW Hawaiian islands)

Trip information			

Number of vessels		48	
Number of trips		56	
Number of sets		441	
Number of hooks set		881,313	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	142	143	0.16
Spearfish	384	403	0.46
Striped Marlin	501	518	0.59
Swordfish	35	58	0.07
Other	18	18	0.02
Total	1,080	1,140	1.29
Sharks			
Blue	10	3,687	4.18
Mako	18	39	0.04
Thresher	8	221	0.25
Other	0	284	0.32
Total	36	4,231	4.80
Tuna			
Albacore	303	305	0.35
Bigeye	6,419	6,579	7.46
Bluefin	0	0	0.00
Skipjack	1,325	1,449	1.64
Yellowfin	386	428	0.49
Other	1	1	0.00
Total	8,434	8,762	9.94
Other PMUS			
Mahimahi	2,474	2,548	2.89
Moonfish	319	322	0.37
Oilfish	535	538	0.61
Pomfret	516	517	0.59
Wahoo	226	226	0.26
Total	4,070	4,151	4.71
Miscellaneous			

Non-PMUS	10	10	0.01

Date and time of summary:

02/09/05 (14:02:46)

Table 5.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; MHI and NWHI)

----- Trip information -----			
Number of vessels		112	
Number of trips		394	
Number of sets		3,431	
Number of hooks set		6,652,278	
Number of light sticks used		0	
----- Species catch information -----			
Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	606	617	0.09
Spearfish	2,247	2,315	0.35
Striped Marlin	2,981	3,036	0.46
Swordfish	437	684	0.10
Other	128	131	0.02
Total	6,399	6,783	1.02
Sharks			
Blue	183	16,928	2.54
Mako	215	399	0.06
Thresher	101	899	0.14
Other	11	556	0.08
Total	510	18,782	2.82
Tuna			
Albacore	2,308	2,325	0.35
Bigeye	40,532	41,425	6.23
Bluefin	2	2	0.00
Skipjack	7,990	8,587	1.29
Yellowfin	5,252	5,643	0.85
Other	15	19	0.00
Total	56,099	58,001	8.72
Other PMUS			
Mahimahi	18,714	19,048	2.86
Moonfish	1,750	1,764	0.27
Oilfish	3,393	3,442	0.52
Pomfret	5,807	5,869	0.88
Wahoo	1,478	1,490	0.22
Total	31,142	31,613	4.75
Miscellaneous			

Non-PMUS	132	189	0.03

Date and time of summary:

02/09/05 (14:02:46)

Table 6.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Outside of U.S. EEZs)

Trip information			

Number of vessels		94	
Number of trips		185	
Number of sets		1,213	
Number of hooks set		2,351,422	
Number of light sticks used		53,244	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	394	399	0.17
Spearfish	991	1,005	0.43
Striped Marlin	1,090	1,101	0.47
Swordfish	1,522	1,708	0.73
Other	24	25	0.01
Total	4,021	4,238	1.80
Sharks			
Blue	62	7,539	3.21
Mako	66	384	0.16
Thresher	49	269	0.11
Other	14	225	0.10
Total	191	8,417	3.58
Tuna			
Albacore	1,399	1,538	0.65
Bigeye	14,695	14,989	6.37
Bluefin	1	1	0.00
Skipjack	2,153	2,439	1.04
Yellowfin	2,658	2,772	1.18
Other	20	40	0.02
Total	20,926	21,779	9.26
Other PMUS			
Mahimahi	6,141	6,209	2.64
Moonfish	816	838	0.36
Oilfish	1,287	1,317	0.56
Pomfret	2,859	2,890	1.23
Wahoo	1,213	1,225	0.52
Total	12,316	12,479	5.31
Miscellaneous			

Non-PMUS	17	44	0.02

Date and time of summary:

02/09/05 (14:02:46)

Table 7.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; U.S. possessions)

Trip information			

Number of vessels		19	
Number of trips		19	
Number of sets		84	
Number of hooks set		183,780	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	54	54	0.29
Spearfish	25	25	0.14
Striped Marlin	23	24	0.13
Swordfish	5	12	0.07
Other	2	2	0.01
Total	109	117	0.64
Sharks			
Blue	51	408	2.22
Mako	2	4	0.02
Thresher	10	29	0.16
Other	33	71	0.39
Total	96	512	2.79
Tuna			
Albacore	219	219	1.19
Bigeye	591	600	3.26
Bluefin	0	0	0.00
Skipjack	129	133	0.72
Yellowfin	803	809	4.40
Other	0	0	0.00
Total	1,742	1,761	9.58
Other PMUS			
Mahimahi	67	68	0.37
Moonfish	37	37	0.20
Oilfish	23	23	0.13
Pomfret	218	218	1.19
Wahoo	139	145	0.79
Total	484	491	2.67
Miscellaneous			

Non-PMUS	2	2	0.01

Date and time of summary:

02/09/05 (14:02:46)

Table 8.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; All vessels;; Tuna-targeted trips; All areas)

Trip information			

Number of vessels	114		
Number of trips	445		
Number of sets	4,601		
Number of hooks set	9,081,011		
Number of light sticks used	0		

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1,053	1,069	0.12
Spearfish	3,263	3,345	0.37
Striped Marlin	4,091	4,158	0.46
Swordfish	624	989	0.11
Other	154	158	0.02
Total	9,185	9,719	1.07
Sharks			
Blue	296	23,501	2.59
Mako	282	532	0.06
Thresher	160	1,193	0.13
Other	58	830	0.09
Total	796	26,056	2.87
Tuna			
Albacore	3,767	3,789	0.42
Bigeye	55,815	57,008	6.28
Bluefin	2	2	0.00
Skipjack	10,272	11,158	1.23
Yellowfin	8,713	9,224	1.02
Other	17	21	0.00
Total	78,586	81,202	8.94
Other PMUS			
Mahimahi	24,913	25,314	2.79
Moonfish	2,588	2,610	0.29
Oilfish	4,688	4,748	0.52
Pomfret	8,865	8,947	0.99
Wahoo	2,830	2,859	0.31
Total	43,884	44,478	4.90
Miscellaneous			

Non-PMUS	150	214	0.02

Date and time of summary:

02/10/05 (07:41:14)

Table 9.--Western Pacific longline logbook summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; All vessels;; Swordfish-targeted trips; All areas)

Trip information			

Number of vessels	7		
Number of trips	10		
Number of sets	127		
Number of hooks set	106,469		
Number of light sticks used	53,244		

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1	1	0.01
Spearfish	0	0	0.00
Striped Marlin	3	3	0.03
Swordfish	1,340	1,415	13.29
Other	0	0	0.00
Total	1,344	1,419	13.33
Sharks			
Blue	0	1,374	12.91
Mako	1	255	2.40
Thresher	0	4	0.04
Other	0	22	0.21
Total	1	1,655	15.54
Tuna			
Albacore	159	293	2.75
Bigeye	3	6	0.06
Bluefin	1	1	0.01
Skipjack	0	1	0.01
Yellowfin	0	0	0.00
Other	18	38	0.36
Total	181	339	3.18
Other PMUS			
Mahimahi	9	11	0.10
Moonfish	15	29	0.27
Oilfish	15	34	0.32
Pomfret	19	30	0.28
Wahoo	0	1	0.01
Total	58	105	0.99
Miscellaneous			

Non-PMUS	1	21	0.20

Date and time of summary:

02/11/05 (10:32:29)

Table 10.--Western Pacific longline logbook Protected Species Interactions
(PSI) summary for 10/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; All vessels;; All trips; All areas)

Species -----	Alive/Uninjured -----	Number of Reported PSI -----		Total -----
		Injured -----	Dead -----	
Seals/Sea Lions				
Monk Seals	0	0	0	0
Other Seals	0	0	0	0
Sea Lions	0	0	0	0
Total Seals/Sea Lions	0	0	0	0
Whales/Dolphins				
Humpback Whales	0	0	0	0
False Killer Whales	0	0	0	0
Other Whales	1	0	0	1
Dolphins	0	0	0	0
Total Whales/Dolphins	1	0	0	1
Turtles				
Green Turtles	0	1	0	1
Hawksbill Turtles	0	0	0	0
Leatherback Turtles	0	0	0	0
Loggerhead Turtles	0	1	0	1
Olive Ridley Turtles	0	0	0	0
Unidentified Turtles	0	0	0	0
Other Turtles	0	0	0	0
Total Turtles	0	2	0	2
Birds				
Albatross	0	0	1	1
Booby	0	0	0	0
Other Birds	0	0	0	0
Total Birds	0	0	1	1
Other Species	0	0	0	0

Date and time of summary:

02/14/05 (07:47:43)

Table 11.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; All areas)

----- Trip information -----			
Number of vessels		126	
Number of trips		1,391	
Number of sets		16,015	
Number of hooks set		31,981,608	
Number of light sticks used		53,260	
----- Species catch information -----			
Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	4,747	4,846	0.15
Spearfish	13,693	14,024	0.44
Striped Marlin	14,871	15,160	0.47
Swordfish	4,264	5,191	0.16
Other	536	554	0.02
Total	38,111	39,775	1.24
Sharks			
Blue	1,303	64,808	2.03
Mako	830	1,856	0.06
Thresher	717	5,226	0.16
Other	210	3,027	0.09
Total	3,060	74,917	2.34
Tuna			
Albacore	17,101	17,332	0.54
Bigeye	139,356	141,962	4.44
Bluefin	7	7	0.00
Skipjack	18,632	20,004	0.63
Yellowfin	24,999	25,833	0.81
Other	67	91	0.00
Total	200,162	205,229	6.42
Other PMUS			
Mahimahi	65,612	66,585	2.08
Moonfish	8,481	8,543	0.27
Oilfish	19,372	19,605	0.61
Pomfret	64,588	65,276	2.04
Wahoo	15,502	15,605	0.49
Total	173,555	175,614	5.49
Miscellaneous			

Non-PMUS	1,692	1,904	0.06
Date and time of summary:		02/09/05 (15:07:26)	

Table 12.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; US EEZs only)

----- Trip information -----			
Number of vessels		123	
Number of trips		1,043	
Number of sets		7,494	
Number of hooks set		14,713,891	
Number of light sticks used		12	
----- Species catch information -----			
Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1,798	1,826	0.12
Spearfish	6,266	6,514	0.44
Striped Marlin	8,346	8,575	0.58
Swordfish	1,215	1,622	0.11
Other	312	323	0.02
Total	17,937	18,860	1.28
Sharks			
Blue	451	31,838	2.16
Mako	533	951	0.06
Thresher	366	2,167	0.15
Other	156	1,681	0.11
Total	1,506	36,637	2.49
Tuna			
Albacore	6,331	6,391	0.43
Bigeye	66,213	67,732	4.60
Bluefin	3	3	0.00
Skipjack	10,492	11,211	0.76
Yellowfin	13,675	14,292	0.97
Other	30	34	0.00
Total	96,744	99,663	6.77
Other PMUS			
Mahimahi	30,901	31,524	2.14
Moonfish	3,616	3,638	0.25
Oilfish	8,456	8,590	0.58
Pomfret	17,486	17,675	1.20
Wahoo	4,964	5,012	0.34
Total	65,423	66,439	4.52
Miscellaneous			

Non-PMUS	1,097	1,215	0.08
Date and time of summary:		02/09/05 (15:07:26)	

Table 13.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Main Hawaiian islands)

Trip information			

Number of vessels		122	
Number of trips		883	
Number of sets		5,682	
Number of hooks set		10,996,339	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1,114	1,135	0.10
Spearfish	4,902	5,093	0.46
Striped Marlin	6,479	6,665	0.61
Swordfish	878	1,166	0.11
Other	264	273	0.02
Total	13,637	14,332	1.30
Sharks			
Blue	347	22,085	2.01
Mako	444	754	0.07
Thresher	264	1,460	0.13
Other	34	624	0.06
Total	1,089	24,923	2.27
Tuna			
Albacore	2,991	3,022	0.27
Bigeye	47,871	49,001	4.46
Bluefin	3	3	0.00
Skipjack	7,970	8,508	0.77
Yellowfin	8,260	8,773	0.80
Other	23	27	0.00
Total	67,118	69,334	6.31
Other PMUS			
Mahimahi	26,122	26,609	2.42
Moonfish	2,670	2,688	0.24
Oilfish	6,686	6,786	0.62
Pomfret	14,152	14,307	1.30
Wahoo	3,165	3,199	0.29
Total	52,795	53,589	4.87
Miscellaneous			

Non-PMUS	1,004	1,113	0.10

Date and time of summary:		02/09/05 (15:07:26)	

Table 14.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; NW Hawaiian islands)

Trip information			

Number of vessels		88	
Number of trips		165	
Number of sets		862	
Number of hooks set	1,755,933		
Number of light sticks used		12	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	262	265	0.15
Spearfish	860	913	0.52
Striped Marlin	1,255	1,292	0.74
Swordfish	145	203	0.12
Other	25	25	0.01
Total	2,547	2,698	1.54
Sharks			
Blue	10	6,092	3.47
Mako	56	106	0.06
Thresher	20	292	0.17
Other	8	364	0.21
Total	94	6,854	3.90
Tuna			
Albacore	703	708	0.40
Bigeye	8,637	8,918	5.08
Bluefin	0	0	0.00
Skipjack	1,628	1,753	1.00
Yellowfin	866	932	0.53
Other	1	1	0.00
Total	11,835	12,312	7.01
Other PMUS			
Mahimahi	3,744	3,866	2.20
Moonfish	659	662	0.38
Oilfish	1,246	1,266	0.72
Pomfret	1,122	1,130	0.64
Wahoo	468	469	0.27
Total	7,239	7,393	4.21
Miscellaneous			

Non-PMUS	79	83	0.05

Date and time of summary:

02/09/05 (15:07:26)

Table 15.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; MHI and NWHI)

Trip information			

Number of vessels		122	
Number of trips		941	
Number of sets		6,544	
Number of hooks set		12,752,272	
Number of light sticks used		12	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1,376	1,400	0.11
Spearfish	5,762	6,006	0.47
Striped Marlin	7,734	7,957	0.62
Swordfish	1,023	1,369	0.11
Other	289	298	0.02
Total	16,184	17,030	1.34
Sharks			
Blue	357	28,177	2.21
Mako	500	860	0.07
Thresher	284	1,752	0.14
Other	42	988	0.08
Total	1,183	31,777	2.49
Tuna			
Albacore	3,694	3,730	0.29
Bigeye	56,508	57,919	4.54
Bluefin	3	3	0.00
Skipjack	9,598	10,261	0.80
Yellowfin	9,126	9,705	0.76
Other	24	28	0.00
Total	78,953	81,646	6.40
Other PMUS			
Mahimahi	29,866	30,475	2.39
Moonfish	3,329	3,350	0.26
Oilfish	7,932	8,052	0.63
Pomfret	15,274	15,437	1.21
Wahoo	3,633	3,668	0.29
Total	60,034	60,982	4.78
Miscellaneous			

Non-PMUS	1,083	1,196	0.09

Date and time of summary:		02/09/05 (15:07:26)	

Table 16.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Outside of U.S. EEZs)

Trip information			

Number of vessels		122	
Number of trips		941	
Number of sets		8,521	
Number of hooks set		17,267,717	
Number of light sticks used		53,248	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	2,949	3,020	0.17
Spearfish	7,427	7,510	0.43
Striped Marlin	6,525	6,585	0.38
Swordfish	3,049	3,569	0.21
Other	224	231	0.01
Total	20,174	20,915	1.21
Sharks			
Blue	852	32,970	1.91
Mako	297	905	0.05
Thresher	351	3,059	0.18
Other	54	1,346	0.08
Total	1,554	38,280	2.22
Tuna			
Albacore	10,770	10,941	0.63
Bigeye	73,143	74,230	4.30
Bluefin	4	4	0.00
Skipjack	8,140	8,793	0.51
Yellowfin	11,324	11,541	0.67
Other	37	57	0.00
Total	103,418	105,566	6.11
Other PMUS			
Mahimahi	34,711	35,061	2.03
Moonfish	4,865	4,905	0.28
Oilfish	10,916	11,015	0.64
Pomfret	47,102	47,601	2.76
Wahoo	10,538	10,593	0.61
Total	108,132	109,175	6.32
Miscellaneous			

Non-PMUS	595	689	0.04

Date and time of summary:

02/09/05 (15:07:26)

Table 17.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; U.S. possessions)

Trip information			

Number of vessels		81	
Number of trips		167	
Number of sets		950	
Number of hooks set		1,961,619	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	422	426	0.22
Spearfish	504	508	0.26
Striped Marlin	612	618	0.32
Swordfish	192	253	0.13
Other	23	25	0.01
Total	1,753	1,830	0.93
Sharks			
Blue	94	3,661	1.87
Mako	33	91	0.05
Thresher	82	415	0.21
Other	114	693	0.35
Total	323	4,860	2.48
Tuna			
Albacore	2,637	2,661	1.36
Bigeye	9,705	9,813	5.00
Bluefin	0	0	0.00
Skipjack	894	950	0.48
Yellowfin	4,549	4,587	2.34
Other	6	6	0.00
Total	17,791	18,017	9.18
Other PMUS			
Mahimahi	1,035	1,049	0.53
Moonfish	287	288	0.15
Oilfish	524	538	0.27
Pomfret	2,212	2,238	1.14
Wahoo	1,331	1,344	0.69
Total	5,389	5,457	2.78
Miscellaneous			

Non-PMUS	14	19	0.01

Date and time of summary:

02/09/05 (15:07:26)

Table 18.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Jarvis island)

Trip information			

Number of vessels		5	
Number of trips		5	
Number of sets		29	
Number of hooks set		66,996	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	6	6	0.09
Spearfish	3	3	0.04
Striped Marlin	1	1	0.01
Swordfish	16	22	0.33
Other	1	1	0.01
Total	27	33	0.49
Sharks			
Blue	0	77	1.15
Mako	6	14	0.21
Thresher	1	6	0.09
Other	7	125	1.87
Total	14	222	3.31
Tuna			
Albacore	10	10	0.15
Bigeye	260	261	3.90
Bluefin	0	0	0.00
Skipjack	12	12	0.18
Yellowfin	224	224	3.34
Other	0	0	0.00
Total	506	507	7.57
Other PMUS			
Mahimahi	3	3	0.04
Moonfish	0	0	0.00
Oilfish	17	17	0.25
Pomfret	10	10	0.15
Wahoo	8	8	0.12
Total	38	38	0.57
Miscellaneous			

Non-PMUS	2	2	0.03

Date and time of summary:

02/09/05 (15:07:26)

Table 19.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Johnston atoll)

Trip information			

Number of vessels		64	
Number of trips		106	
Number of sets		456	
Number of hooks set		933,264	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	262	263	0.28
Spearfish	437	437	0.47
Striped Marlin	483	484	0.52
Swordfish	82	95	0.10
Other	13	13	0.01
Total	1,277	1,292	1.38
Sharks			
Blue	72	2,819	3.02
Mako	13	39	0.04
Thresher	45	125	0.13
Other	8	92	0.10
Total	138	3,075	3.29
Tuna			
Albacore	2,519	2,538	2.72
Bigeye	3,849	3,885	4.16
Bluefin	0	0	0.00
Skipjack	426	460	0.49
Yellowfin	1,346	1,353	1.45
Other	5	5	0.01
Total	8,145	8,241	8.83
Other PMUS			
Mahimahi	926	932	1.00
Moonfish	283	284	0.30
Oilfish	392	392	0.42
Pomfret	1,811	1,831	1.96
Wahoo	880	884	0.95
Total	4,292	4,323	4.63
Miscellaneous			

Non-PMUS	2	2	0.00

Date and time of summary:

02/09/05 (15:07:26)

Table 20.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; Area totals;; Kingman/Palmyra)

Trip information			

Number of vessels		46	
Number of trips		61	
Number of sets		465	
Number of hooks set		961,359	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	154	157	0.16
Spearfish	64	68	0.07
Striped Marlin	128	133	0.14
Swordfish	94	136	0.14
Other	9	11	0.01
Total	449	505	0.53
Sharks			
Blue	22	765	0.80
Mako	14	38	0.04
Thresher	36	284	0.30
Other	99	476	0.50
Total	171	1,563	1.63
Tuna			
Albacore	108	113	0.12
Bigeye	5,596	5,667	5.89
Bluefin	0	0	0.00
Skipjack	456	478	0.50
Yellowfin	2,979	3,010	3.13
Other	1	1	0.00
Total	9,140	9,269	9.64
Other PMUS			
Mahimahi	106	114	0.12
Moonfish	4	4	0.00
Oilfish	115	129	0.13
Pomfret	391	397	0.41
Wahoo	443	452	0.47
Total	1,059	1,096	1.14
Miscellaneous			

Non-PMUS	10	15	0.02

Date and time of summary:

02/09/05 (15:07:26)

Table 21.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; All vessels;; Tuna-targeted trips; All areas)

Trip information			

Number of vessels		125	
Number of trips		1,380	
Number of sets		15,880	
Number of hooks set		31,868,290	
Number of light sticks used		0	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks

Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	4,746	4,845	0.15
Spearfish	13,693	14,024	0.44
Striped Marlin	14,865	15,154	0.48
Swordfish	2,905	3,753	0.12
Other	536	554	0.02
Total	36,745	38,330	1.20
Sharks			
Blue	1,303	63,416	1.99
Mako	829	1,601	0.05
Thresher	717	5,222	0.16
Other	210	3,002	0.09
Total	3,059	73,241	2.30
Tuna			
Albacore	16,942	17,039	0.53
Bigeye	139,338	141,939	4.45
Bluefin	6	6	0.00
Skipjack	18,631	20,002	0.63
Yellowfin	24,999	25,833	0.81
Other	49	53	0.00
Total	199,965	204,872	6.43
Other PMUS			
Mahimahi	65,580	66,551	2.09
Moonfish	8,466	8,514	0.27
Oilfish	19,336	19,539	0.61
Pomfret	64,569	65,246	2.05
Wahoo	15,502	15,604	0.49
Total	173,453	175,454	5.51
Miscellaneous			

Non-PMUS	1,691	1,883	0.06
Date and time of summary:			
02/10/05 (07:15:05)			

Table 22.--Western Pacific longline logbook summary for 1/2004 through 12/2004
(Vessels landing or based in Hawaii)
(Date of haul; All vessels;; Swordfish-targeted trips; All areas)

Trip information			

Number of vessels		7	
Number of trips		11	
Number of sets		135	
Number of hooks set		113,318	
Number of light sticks used		53,260	

Species catch information			

Species class			# caught
Species	# kept	# caught	per 1000 hooks
-----	-----	-----	-----
Pelagic Management Unit Species (PMUS)			

Billfish			
Blue Marlin	1	1	0.01
Spearfish	0	0	0.00
Striped Marlin	6	6	0.05
Swordfish	1,359	1,438	12.69
Other	0	0	0.00
Total	1,366	1,445	12.75
Sharks			
Blue	0	1,392	12.28
Mako	1	255	2.25
Thresher	0	4	0.04
Other	0	25	0.22
Total	1	1,676	14.79
Tuna			
Albacore	159	293	2.59
Bigeye	18	23	0.20
Bluefin	1	1	0.01
Skipjack	1	2	0.02
Yellowfin	0	0	0.00
Other	18	38	0.34
Total	197	357	3.15
Other PMUS			
Mahimahi	32	34	0.30
Moonfish	15	29	0.26
Oilfish	36	66	0.58
Pomfret	19	30	0.26
Wahoo	0	1	0.01
Total	102	160	1.41
Miscellaneous			

Non-PMUS	1	21	0.19

Date and time of summary:

02/10/05 (07:14:34)

Table 23.--Western Pacific longline logbook Protected Species Interactions
 (PSI) summary for 1/2004 through 12/2004
 (Vessels landing or based in Hawaii)
 (Date of haul; All vessels;; All trips; All areas)

Species	Alive/Uninjured	Number of Reported PSI		Total
		Injured	Dead	
Seals/Sea Lions				
Monk Seals	0	0	0	0
Other Seals	0	0	0	0
Sea Lions	0	0	0	0
Total Seals/Sea Lions	0	0	0	0
Whales/Dolphins				
Humpback Whales	1	0	0	1
False Killer Whales	0	2	0	2
Other Whales	3	0	0	3
Dolphins	0	0	0	0
Total Whales/Dolphins	4	2	0	6
Turtles				
Green Turtles	0	1	0	1
Hawksbill Turtles	0	0	0	0
Leatherback Turtles	1	0	0	1
Loggerhead Turtles	0	1	0	1
Olive Ridley Turtles	0	0	5	5
Unidentified Turtles	0	0	0	0
Other Turtles	0	0	0	0
Total Turtles	1	2	5	8
Birds				
Albatross	0	0	2	2
Booby	0	0	0	0
Other Birds	0	0	1	1
Total Birds	0	0	3	3
Other Species	0	0	0	0

Date and time of summary:

02/14/05 (07:48:42)